

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	2527	(cannula sheath lumen injector) with (spring-loaded spring) with (retrograde retract\$4 withdraw\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 18:20
L5	412	(cannula sheath lumen injector) with (spring-loaded spring) with (retrograde retract\$4 withdraw\$3) same (catheter percutaneous\$3 catheter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 18:20
L6	412	(cannula sheath lumen injector) with (spring-loaded spring) with (retrograde retract\$4 withdraw\$3) same (catheter percutaneous \$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 18:20
L7	2	("4,747,831").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/22 18:24
L8	1	2001-040743.NRAN.	DERWENT	OR	ON	2010/05/22 19:33
L9	25	("4444203" "4509534" "4819659" "5011475" "5135489" "5267972" "5273546" "5336192" "5344404" "5366447" "5512052" "5531701" "5603699" "5603706" "5685860" "5954708").PN. OR ("6213978").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/22 19:36
L10	7	9 and (wire marker biopsy coil)	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/22 19:37

L11	320	6 and (delivery localization adj (wire device) marker coil with (Rf position\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 19:42
L12	208	6 and (localization adj (wire device) marker coil with (Rf position\$3)) and (deliver\$3 implant\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 19:43
L13	208	(cannula sheath lumen injector) with (spring-loaded spring) with (retrograde retract\$4 withdraw\$3) same (catheter percutaneous \$3) and (localization adj (wire device) marker coil with (Rf position\$3)) and (deliver\$3 implant\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 19:44
L14	202	(cannula sheath lumen injector) with (spring-loaded spring) with (retrograde retract\$4 withdraw\$3) same (catheter percutaneous \$3) and (localization adj (wire device) marker coil near2(Rf position\$3)) and (deliver\$3 implant\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 19:45
L15	189	(cannula sheath lumen injector) with (spring-loaded spring) with (retrograde retract\$4 withdraw\$3) same (catheter percutaneous \$3) and (localization adj (wire device) marker) and (deliver\$3 implant \$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 19:47

L16	88	("4003379" "4146029" "4181123" "4296100" "4319562" "4360031" "4577642" "4606118" "4711251" "4797285" "4819661" "4819662" "4844099" "4884567" "4892538" "4900303" "4922926" "4936317" "4946457" "4953564" "4972848" "4991578" "4991603" "4998975" "5002067" "5016640" "5030204" "5033477" "5086787" "5176907" "5190761" "5220917" "5236424" "5244460" "5255693" "5269326" "5283187" "5322064" "5324325" "5344439" "5374286" "5385148" "5387419" "5405376" "5429131" "5431649" "5447533" "5496360" "5527344" "5531780" "5551427" "5609151" "5626862" "5634895" "5651986" "5661133" "5662689" "5681278" "5690682" "5693622" "5698531" "5704910" "5722400" "5773019" "5782828" "5785706" "5797870" "5807395" "5810836" "5829447" "5833715" "5840059" "5945100" "5951585" "6086583" "6102887" "6258119").PN. OR ("6478776").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/22 19:55
L17	31	16 and (retract\$3 withdraw\$3 retrograde) with (spring catheter lumen sheath)	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/22 19:56
L18	27	16 and (retract\$3 withdraw\$3 retrograde) with (introducer catheter lumen sheath)	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/22 20:02
L19	20	16 and (retract\$3 withdraw\$3 retrograde) near2 (introducer catheter lumen sheath)	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/22 20:03

L20	16	("20020151955" "5160341" "5618300" "5707376" "5968052" "6338739" "6391050"). PN. OR ("6755854"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/22 20:16
L21	6	20 and (marker localiz\$5 near2 (coil wire))	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/22 20:17
L22	0	"9632892"	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/22 20:21
L23	2	("5782771").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/22 20:22
L24	8	("5370640").PN. OR ("5782771").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/22 20:22
L25	0	hussman.in. and (retract \$4 withdraw\$3 retrograde) with (sheath lumen catheter introducer)	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/22 20:23
L26	18	("20010034528" "20010014778" "20010023322" "20020019595" "20020052564" "20050075606" "2876770" "4627420" "4799495" "4007732" "4542749" "4592356" "4669473" "4747831" "5534007" "5059197" "5127916" "5221269" "5338311" "5353804" "5380290" "5697907" "5749887" "5782771" "5795339" "5800445" "5879338" "5879357" "5954655" "5989265" "6090063" "6135993" "6716179" "6813520" "6080113" "6156013" "6206856" "6267732" "6312429" "6383145" "6482178" "6540693" "6544269" "6547762" "6551253" "6582402" "RE36885").PN. and (retract\$4 withdraw\$3 retrograde) with (sheath lumen catheter	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/22 20:24

		introducer)				
L27	0	(("20010034528" "20010014778" "20010023322" "20020019595" "20020052564" "20050075606" "2876770" "4627420" "4799495" "4007732" "4542749" "4592356" "4669473" "4747831" "5534007" "5059197" "5127916" "5221269" "5338311" "5353804" "5380290" "5697907" "5749887" "5782771" "5795339" "5800445" "5879338" "5879357" "5954655" "5989265" "6090063" "6135993" "6716179" "6813520" "6080113" "6156013" "6206856" "6267732" "6312429" "6383145" "6482178" "6540693" "6544269" "6547762" "6551253" "6582402" "RE36885").PN.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/22 20:36
L28	93	(("20010034528" "20010014778" "20010023322" "20020019595" "20020052564" "20050075606" "2876770" "4627420" "4799495" "4007732" "4542749" "4592356" "4669473" "4747831" "5534007" "5059197" "5127916" "5221269" "5338311" "5353804" "5380290" "5697907" "5749887" "5782771" "5795339" "5800445" "5879338" "5879357" "5954655" "5989265" "6090063" "6135993" "6716179" "6813520" "6080113" "6156013" "6206856" "6267732" "6312429" "6383145" "6482178" "6540693" "6544269" "6547762" "6551253" "6582402" "RE36885").PN.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 20:36

L29	25	28 and (marker localiz\$3) and (withdraw\$3 retract \$3 retrograde)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 20:36
L30	33	chesbrough.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 22:10
L31	2	("0100101").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/22 22:15
L32	0	("20033503098").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/22 22:15
L33	2	("5777500").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/22 22:15
L34	0	(42/704802).APP.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/22 22:16
L35	28	"4597753"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/22 23:34
L36	214	(600/423).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/22 23:41

L37	1258	(600/424).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/22 23:41
S1	0	percutaneous@3 and cannula	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/14 13:32
S2	0	percutaneous@3 and cannula	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/14 13:33
S3	52343	cannula	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/14 13:33
S4	6938	percutaneous\$3 and cannula	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/14 13:33
S5	22	percutaneous\$3 and cannula same lumen same wire same actuator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/14 19:13
S6	0	percutaneous\$3 and cannula same lumen same wire same actuator same retract\$4 same (marker coil)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/14 19:13
S7	0	percutaneous\$3 and cannula same lumen same actuator same retract\$4 same (marker coil)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/14 19:13
S8	9	percutaneous\$3 and lumen same actuator same retract\$4 same (marker coil)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/14 19:23
S9	2	("5534007").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/14 19:14
S10	202	percutaneous\$3 and lumen and actuator same (retract\$4 slid\$3 sheath) same (marker coil guidewire)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/14 19:24

S11	6	percutaneous\$3 and lumen and actuator same (retract\$4 slid\$3 sheath) same (marker coil guidewire) same handle same trigger	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/14 19:27
S12	1	percutaneous\$3 and lumen and actuator same (retract\$4 slid\$3 sheath) same (marker coil guidewire) same handle same collar	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/14 19:29
S13	6	percutaneous\$3 and lumen and (slid\$3 sheath) same distal same (marker coil guidewire) same handle same collar	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/14 19:31
S14	0	percutaneous\$3 and lumen and (slid\$3 with sheath) same distal same (marker coil guidewire) same handle same collar	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/14 19:29
S15	0	(slid\$3 with sheath) same distal same (marker coil guidewire) same handle same collar	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/14 19:30
S16	11	(slid\$3 with sheath) same (marker coil guidewire) same handle same collar	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/01/14 19:30
S17	2	("6716179").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/17 15:08
S18	2	("20010034528").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/17 15:08
S19	141	(slidable slid\$3) with sheath same spring and "600".CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/20 16:41
S20	14	(slidable slid\$3) with sheath same spring with compress\$3 and "600".CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/20 16:41
S21	1086	600/427	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/22 09:35

S22	290	600/423	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/22 09:38
S23	1346	600/424	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/22 09:39
S24	27	Chesbrough.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/01/22 09:39
S25	14	(US-20010034528-\$ or US-20050080448-\$ or US- 20040158143-\$ or US- 20030181942-\$ or US- 20030191493-\$).did. or (US-6716179-\$ or US- 6813520-\$ or US- 4677756-\$ or US- 4329980-\$ or US- 5144753-\$ or US- 5534007-\$ or US- 6726677-\$ or US- 6511492-\$ or US- 4940062-\$).did.	US-PGPUB; USPAT	OR	ON	2009/07/29 20:39
S26	1	S25 and retract\$3 with (cannula)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/29 20:39
S27	2	S25 and (withdraw\$3 retract\$3) with (cannula)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/29 20:40
S28	93	("20010034528" "20010014778" "20010023322" "20020019595" "20020052564" "20050075606" "2876770" "4627420" "4799495" "4007732" "4542749" "4592356" "4669473" "4747831" "5534007" "5059197" "5127916" "5221269" "5338311" "5353804" "5380290" "5697907" "5749887" "5782771"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/30 03:40

		"5795339" "5800445" "5879338" "5879357" "5954655" "5989265" "6090063" "6135993" "6716179" "6813520" "6080113" "6156013" "6206856" "6267732" "6312429" "6383145" "6482178" "6540693" "6544269" "6547762" "6551253" "6582402" "RE36885").PN.				
S29	18	S28 and (withdraw\$3 retract\$3) with (cannula)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/30 03:46
S30	213	(slid\$4 retract\$4 pull\$3) near2 (sheath lumen cannula) with (expos\$3 expel\$4) with (wire mark \$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/17 14:42
S31	1	2001-522683.NRAN.	DERWENT	OR	ON	2010/05/17 15:44
S32	33	chesbrough.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/17 16:24
S33	20	("5562613" "5853366" "5902310" "5941890" "6056700" "6080099" "6161034" "6173715" "6174330" "6181960"). PN. OR ("6350244"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/17 16:41
S34	11	S33 and (retract\$4 pull\$3 with back)	US-PGPUB; USPAT; USOCR	OR	ON	2010/05/17 16:43
S35	2	("5,127,916").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/05/17 16:45

S36	44	(US-20010034528-\$ or US-20050080448-\$ or US-20040158143-\$ or US-20030181942-\$ or US-20030191493-\$ or US-20010014778-\$ or US-20010016751-\$ or US-20040098081-\$ or US-20040122312-\$).did. or (US-6716179-\$ or US-6813520-\$ or US-4677756-\$ or US-4329980-\$ or US-5144753-\$ or US-5534007-\$ or US-6726677-\$ or US-6511492-\$ or US-4940062-\$ or US-6267732-\$ or US-5353804-\$ or US-6090063-\$ or US-5127916-\$ or US-6383145-\$ or US-3835864-\$ or US-5496330-\$ or US-5749918-\$ or US-5776141-\$ or US-5792145-\$ or US-5871530-\$ or US-5993460-\$ or US-6159139-\$ or US-6168617-\$ or US-6178355-\$ or US-6193672-\$ or US-6350244-\$).did. or (US-6419641-\$ or US-6607478-\$ or US-7569065-\$ or US-5562613-\$).did. or (WO-9940972-\$).did. or (WO-0162135-\$ or US-20030208136-\$ or EP-1714621-\$ or US-20090093714-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2010/05/17 19:23
S37	28	S36 and spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/17 19:23

S38	7	S36 and spring with (retract\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/17 19:25
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EAST Search History (Interference)

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